

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A complex table rendering and navigation computer hardware system comprising:

~~a plurality of row range views, a plurality of row views, each of said row views having an association with one of said row range views; and~~

~~a plurality of record views, each of said record views having an association with one of said row views;~~

a complex table processor coupled to an application server and programmed to reduce a complex table into ~~said row range views, said row views and said record views~~

a row range view including a list of a plurality of ranges of rows,

a set of row views including a list of a plurality of rows, and

a set of record views including a list of a plurality of records; and[[,]]

~~a controller configured to map selected events and triggers originating within said views to others of said views, and to map additional selected events and triggers originating within said views to said complex table configured to:~~

navigationally link an individual record view to a corresponding row in one of said row views,

navigationally link an individual row view a corresponding row range in said row range view,

deliver, to a high constrained device, markup for displaying said row range view, responsive to a request to render said complex table,

deliver, to the highly constrained device, markup for displaying said individual row view, responsive to a selection of said corresponding row range in said row range view, and

deliver, to the highly constrained device, markup for displaying said individual record view, in the highly constrained device, responsive to a selection of said corresponding row in said individual row view.

2. (Original) The system of claim 1, further comprising a filter management view.

3. (Currently Amended) A method of enabling complex table navigation in a highly constrained device, ~~the method comprising the steps of:~~

reducing a complex table₁ defined in markup₁ into

a row range view including a list of a plurality of ranges of rows,

a set of row views including a list of a plurality of rows, and

a set of record views including a list of a plurality of records;

navigably navigationally linking an individual record view to ones of said record views to selected a corresponding row in one ones of said row views, and further

navigably navigationally linking an individual row view ones of said row views to selected a corresponding row range ranges disposed in said row range view; [[and,]]

delivering markup for displaying presenting said row range view, in the highly constrained device, responsive to a request to render said complex table₁ in the highly constrained device

delivering markup for displaying said individual row view, in the highly constrained device, responsive to a selection of said corresponding row range in said row range view; and
delivering markup for displaying said individual record view, in the highly constrained device, responsive to a selection of said corresponding row in said individual row view.

4. (Currently Amended) The method of claim 3, further comprising ~~the step of~~ selecting and deselecting individual records in said individual record view views.
5. (Currently Amended) The method of claim 3, further comprising ~~the steps of~~:
establishing a set of filter criteria for selecting individual records linked to said row views; and
filtering a display of said individual row view views based upon said filter criteria; ~~and,~~
~~rendering said filtered display in the highly constrained device.~~
6. (Currently Amended) The method of claim 3, further comprising ~~the steps of~~:
receiving a plurality of events generated in said views; and,
handling selected ones of said events without knowledge of an application producing said complex table where said selected ones of said events map to said views and not to said complex table.

Claim 7 (Cancelled)

8. (Currently Amended) A machine readable storage having stored thereon a computer program for enabling complex table navigation in a highly constrained device, the computer program comprising a routine set of instructions, which when executed by a machine, cause for ~~causing~~ the machine to perform ~~the steps of:~~

reducing a complex table, defined in markup, into

a row range view including a list of a plurality of ranges of rows,

a set of row views including a list of a plurality of rows, and

a set of record views including a list of a plurality of records;

~~navigably~~ navigationally linking an individual record view to ones of said record views to ~~selected a corresponding row in one ones of said row views, and further~~

~~navigably~~ navigationally linking an individual row view ones of said row views to ~~selected a corresponding row range ranges disposed~~ in said row range view; ~~[[and,]]~~

delivering markup for displaying presenting said row range view, in the highly ~~constrained device,~~ responsive to a request to render said complex table; ~~in the highly~~ ~~constrained device~~

delivering markup for displaying said individual row view, in the highly constrained ~~device, responsive to a selection of said corresponding row range in said row range view; and~~

delivering markup for displaying said individual record view, in the highly constrained ~~device, responsive to a selection of said corresponding row in said individual row view.~~

9. (Currently Amended) The machine readable storage of claim 8, further comprising ~~the step of~~

selecting and deselecting individual records in said individual record view views.

10. (Currently Amended) The machine readable storage of claim 8, further comprising ~~the steps of:~~

establishing a set of filter criteria for selecting individual records linked to said row views; and

filtering a display of said individual row view ~~views~~ based upon said filter criteria; ~~and,~~
~~rendering said filtered display in the highly constrained device.~~

11. (Currently Amended) The machine readable storage of claim 8, further comprising ~~the steps of:~~

receiving a plurality of events generated in said views; and,

handling selected ones of said events without knowledge of an application producing said complex table where said selected ones of said events map to said views and not to said complex table.

Claim 12 (Cancelled)